


NOTES

TO: Honorable Mayor and City Council Members

FROM: Michael W. Cowin, Deputy City Manager 

DATE: February 1, 2023

SUBJECT: Materials for Your Information

Please find attached the following materials for your information:

1. A memo from Don Octigan, Director of Recreation and Parks, regarding the STEM grant
2. A memo from Lisa Kirby, Director of Engineering, regarding pavement management program

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Attachments



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To: Ann Wall, City Manager
From: Don Octigan, Director of Recreation and Parks *DO*
Date: February 1, 2023
Re: STEM Grant

Greenville Recreation and Parks Department (GRPD) has been awarded the second cycle of the North Carolina Science Museum Grant in the amount of \$32,563.92. This grant is administered every two years, with this year being the second year of the 2022 Grant fund distribution.

This grant will help fund a STEAM Lab Coordinator for GRPD. Along with STEAM programming efforts at River Park North, the lab coordinator will continue helping with the activation of Wildwood Park through various nature programs including guided trail hikes, swamp stomps, bug hunts, and other STEAM related nature programming.

Additionally, funding will help with the continued upkeep of the STEAM Lab and its equipment at River Park North. Some of the equipment utilized by staff in their programming efforts includes microscopes, water testing kits, various collection tools, and models used for interpretive purposes.

The STEAM lab will continue rotating displays throughout the year for guests to have hands-on activities available when they visit the nature center.

Please let me know if you have any questions or concerns.

cc: Michael Cowin, Deputy City Manager
Heather White, Recreation & Parks Superintendent

Memorandum

To: Ann E. Wall, City Manager
From: Lisa Kirby, PE, CFM, Director of Engineering
Date: February 1, 2023
Subject: Pavement Management Program

Listed below is a yearly summary of the work completed with annual roadway improvement funds. Prior to 2022, the City used a worst first approach to roadway improvements and had no annual funds allocated to roadway preservation methods. In 2022, the City's Engineering Department implemented a Pavement Management philosophy that incorporates three distinct phases of pavement management. The individual phases are roadway maintenance, preservation and rehabilitation. Since its implementation, the City increased the lane miles treated per year from an average of 14.7 lane miles since 2014 to 55 lane miles treated in 2022. The additional lane miles treated are from added preservation treatments. These preservation treatments will decrease the deterioration rate of our newer roadways and extend their expected life cycle, preserving the City's assets and saving money. See table below for break down.

| YEAR | TREATMENT | LANE MILES | COST |
|------|--|-----------------------|-------------|
| 2014 | 2" Mill and Fill, base repairs | 21 | \$2,830,000 |
| 2015 | 2" Mill and Fill, base repairs | 7.23 | \$906,000 |
| 2016 | Arlington Blvd. Ph. 1 & 2 Rehabilitation | 16.7 | \$3,285,000 |
| 2017 | 2" Mill and Fill, base repairs | 26.1 | \$3,025,200 |
| 2018 | 2" Mill and Fill, base repairs | 27 | \$4,925,000 |
| 2019 | 2" Mill and Fill, base repairs | 10.3 | \$2,497,500 |
| 2020 | No contract, shifted to match NCDOT paving schedule and updated condition assessments | N/A | N/A |
| 2021 | 2" Mill and Fill, base repairs | 9.5 | \$1,450,000 |
| 2022 | Maintenance – Crack Seal Preservation – Micro-Surfacing Rehab - 2" Mill and Fill, base repairs | 36.65 6.38 11.9 | \$2,391,000 |

cc: Lynn Raynor, PE, Civil Engineer III
 cc: Kevin Leigh, PLS, Asset Manager